

COLOR VIDEO CAMERA SYSTEM AND METHOD

ABSTRACT

A technique for producing electronic video signals representative of color images of a scene, includes the following steps: providing a luminance sensor and a color sensor having a color filter thereover; providing a pellicle beamsplitter, and providing a motion picture film camera type of lens system that focuses light from the image, via the beamsplitter, onto the luminance sensor and the color sensor; and producing electronic video signals from outputs of the luminance sensor and the color sensor. The pellicle can be ultrasonically excited to effect optical prefiltering.